

THE UNIVERSITY OF CHICAGO

Ribs for defining pixel cells are formed in the shape of a lattice, and sustain electrodes and scan electrodes are disposed near the ribs. The electrodes are spaced apart in each pixel cell, and the sustain electrode and the scan electrode are each cut away between pixel cells arranged in the row direction to provide each pixel cell with individually separated electrodes. In addition, between pixel cells adjacent to each other in the row direction, the sustain electrodes and the scan electrodes are connected to each other by means of a sustain-side bus electrode and a scan-side bus electrode, respectively. This makes it possible to provide a high luminous efficiency. Furthermore, each pixel cell is provided with a wide distance between the electrodes and thereby with a large effective opening portion. Thus, this provides only a small amount of reduction in intensity when the electrodes are spaced apart between the pixel cells arranged in the row direction in order to increase the luminous efficiency. The sustain electrodes or the scan electrodes can be connected to each other or shared between pixel cells adjacent to each other in the column direction and thus the effective opening portion can be made larger, thereby making it possible to provide a further increased intensity and luminous efficiency.